Volume 36, 1998

CONTENTS

Number 1

B. PILLON, B. DEWEER, M. VIDAILHET, A.-M. BONNET, V. HAHN-BARMA and B. DUBOIS	1	Is impaired memory for spatial location in Parkinson's disease domain specific or dependent on 'strategic' processes?
M. F. S. RUSHWORTH, P. D. NIXON, D. T. WADE, S. RENOWNDEN and R. E. PASSINGHAM	11	The left hemisphere and the selection of learned actions
N. M. HUNKIN, E. J. SQUIRES, A. J. PARKIN and J. A. TIDY	25	Are the benefits of errorless learning dependent on implicit memory?
L. J. ELIAS, M. P. BRYDEN and M. B. BULMAN-FLEMING	37	Footedness is a better predictor than is handedness of emotional lateralization
V. WALSH, E. ASHBRIDGE and A. COWEY	45	Cortical plasticity in perceptual learning demonstrated by transcranial magnetic stimulation
R. MCKENZIE, R. J. ANDREW and R. B. JONES	51	Lateralization in chicks and hens: new evidence for control of response by the right eye system
P. BROKS, A. W. YOUNG, E. J. MARATOS, P. J. COFFEY, A. J. CALDER, C. ISAAC, A. R. MAYES, J. R HODGES, D. MONTALDI, E. CEZAYIRLI, N. ROBERTS and D. HADLEY	59	Face processing impairments after encaphalitis: amygdala damage and recognition of fear
D. RIVA	71	Language deficits in a child with omolateral (left) temporo-basal and cerebellar lesions
H. J. MARKOWITSCH, J. KESSLER, C. VAN DER VEN, G. WEBER-LUXENBURGER, M. ALBERS and W.-D. HEISS	77	Psychic trauma causing grossly reduced brain metabolism and cognitive deterioration
S. KOYAMA, R. KAKIGI, M. HOSHIYAMA and Y. KITAMURA	83	Reading of Japanese Kanji (morphograms) and Kana (syllabograms): a magnetoencephalographic study
N. KAPUR, J. MILLAR, P. ABBOTT and M. CARTER	99	Recovery of function processes in human amnesia: evidence from transient global amnesia
A. C. LEE, J. P. HARRIS and J. E. CALVERT	109	Impairments of mental rotation in Parkinson's disease

Number 2

I. G. DOBBINS, N. E. A. KROLL, E. TULVING, R. T. KNIGHT and M. S. GAZZANIGA	115	Unilateral medial temporal lobe memory impairment: type deficit, function deficit, or both?
S. KÖHLER, M. MOSCOVITCH, G. WINOCUR, S. HOULE and A. R. McINTOSH	129	Networks of domain-specific and general regions involved in episodic memory for spatial location and object identity
A. E. ASBJØRNSEN and M. P. BRYDEN	143	Auditory attentional shifts in reading-disabled students: qualification of attentional effectiveness by the Attentional Shift Index
J. CONEY	149	The effect of complexity upon hemispheric specialization for reading Chinese characters

E. STRAIN, K. GRAHAM and J. R. HODGES 155 Word reading in Alzheimer's disease: cross-sectional and longitudinal analyses of response-time and accuracy data

E. R. PICKETT, E. KUNIHOLM, A. PROTOPAPAS, J. FRIEDMAN and P. LIEBERMAN 173 Selective speech motor, syntax and cognitive deficits associated with bilateral damage to the putamen and the head of the caudate nucleus: a case study

Number 3

G. R. MANGUN and L. A. BUCK 189 Sustained visual-spatial attention produces costs and benefits in response time and evoked neural activity

V. LAGUITTON, L. DEMANY, C. SEMAL and C. LIÉGEOIS-CHAUVEL 201 Pitch perception: a difference between right- and left-handed listeners

J. I. BREIER, M. HISCOCK, R. A. JAHRSDOERFER and L. GRAY 209 Ear advantage in dichotic listening after correction for early congenital hearing loss

T. F. MÜNTE, H.-J. HEINZE, M. MATZKE, B. M. WIERINGA and S. JOHANNES 217 Brain potentials and syntactic violations revisited: no evidence for specificity of the syntactic positive shift

P. BARTOLOMEO, P. D'ERME, R. PERRI and G. GAINOTTI 227 Perception and action in hemispatial neglect

P. BARTOLOMEO, A.-C. BACHOUD-LÉVI, B. DE GELDER, G. DENES, G. DALLA BARBA, P. BRUGIÈRES and J.-D. DEGOS 239 Multiple-domain dissociation between impaired visual perception and preserved mental imagery in a patient with bilateral extrastriate lesions

C. LUCCHETTI, F. LUI and L. BON 251 Neglect syndrome for aversive stimuli in a macaque monkey with dorsomedial frontal cortex lesion

A. PARKER and D. GAFFAN 259 Memory after frontal/temporal disconnection in monkeys: conditional and non-conditional tasks, unilateral and bilateral frontal lesions

M. LUCIANA and C. A. NELSON 273 The functional emergence of prefrontally-guided working memory systems in four to eight year-old children

Number 4

A. I. TRÖSTER, J. A. FIELDS, J. A. TESTA, R. H. PAUL, C. R. BLANCO, K. A. HAMES, D. P. SALMON and W. W. BEATTY 295 Cortical and subcortical influences on clustering and switching in the performance of verbal fluency tasks

T. D. HÄLBIG, A. MECKLINGER, H. SCHRIEFERS and A. D. FRIEDERICI 305 Double dissociation of processing temporal and spatial information in working memory

K. R. LAWS, P. J. McKENNA and T. K. KONDEL 313 On the distinction between access and store disorders in schizophrenia: a question of deficit severity?

D. PIZZAGALLI, T. KOENIG, M. REGARD and D. LEHMANN 323 Faces and emotions: brain electric field sources during covert emotional processing

C. HELMSTAEDTER, U. GLEIBNER, J. ZENTNER and C. E. ELGER 333 Neuropsychological consequences of epilepsy surgery in frontal lobe epilepsy

A. KARMILOFF-SMITH, L. K. TYLER, K. VOICE, K. SIMS, O. UDWIN, P. HOWLIN and M. DAVIES 343 Linguistic dissociations in Williams syndrome: evaluating receptive syntax in on-line and off-line tasks

D. ANAKI, M. FAUST and S. KRAVETZ 353 Cerebral hemispheric asymmetries in processing lexical metaphors

V. WALSH, E. ASHBRIDGE and A. COWEY 363 Cortical plasticity in perceptual learning demonstrated by transcranial magnetic stimulation

D. OSHERSON, D. PERANI, S. CAPPA, T. SCHNUR, F. GRASSI and F. FAZIO 369 Distinct brain loci in deductive versus probabilistic reasoning

Number 5

D. I. DONALDSON and M. D. RUGG 377 Recognition memory for new associations: electrophysiological evidence for the role of recollection

R. BARBAROTTO, E. CAPITANI, T. JORI, M. LAIACONA and S. MOLINARI 397 Picture naming and progression of Alzheimer's disease: an analysis of error types

M. LAIACONA, R. BARBAROTTO and E. CAPITANI 407 Semantic category dissociations in naming: is there a gender effect in Alzheimer's disease?

B. R. POSTLE and S. CORKIN 421 Impaired word-stem completion priming but intact perceptual identification priming with novel words: evidence from the amnesic patient H. M.

A. MECKLINGER 441 On the modularity of recognition memory for object form and spatial location: a topographic ERP analysis

W. WITTLING, A. BLOCK, S. GENZEL and E. SCHWEIGER 461 Hemisphere asymmetry in parasympathetic control of the heart

Note
J. FLEMING and M. BEHRMANN 469 Visuospatial neglect in normal subjects: altered representations induced by a perceptual illusion

Number 6

I. TENDOLKAR and M. D. RUGG 477 Electrophysiological dissociation of recency and recognition memory

J. J. MAROTTA, J. F. X. DeSOUZA, A. M. HAFFENDEN and M. A. GOODALE 491 Does a monocularly presented size-contrast illusion influence grip aperture?

A. K. TROYER, M. MOSCOVITCH, G. WINOCUR, M. P. ALEXANDER and D. STUSS 499 Clustering and switching on verbal fluency: the effects of focal frontal- and temporal-lobe lesions

C. I. ELFGREN and J. RISBERG 505 Lateralized frontal blood flow increases during fluency tasks: influence of cognitive strategy

M. B. MILLER and M. S. GAZZANIGA 513 Creating false memories for visual scenes

S.-J. BLAKEMORE, G. REES and C. D. FRITH 521 How do we predict the consequences of our actions? A functional imaging study

P. G. HEPPER, G. R. McCARTNEY and E. A. SHANNON 531 Lateralised behaviour in first trimester human foetuses

M. J. BUCKLEY and D. GAFFAN 535 Perirhinal cortex ablation impairs configural learning and paired-associate learning equally

H. CHRISTENSEN, M. D. KOPELMAN, N. STANHOPE, L. LORENTZ and P. OWEN	547	Rates of forgetting in Alzheimer dementia
K. A. PALLER and M. GROSS	559	Brain potentials associated with perceptual priming vs explicit remembering during the repetition of visual word-form
L. E. TREXLER	573	Volitional control of homonymous hemianopsia: a single case study

Number 7

G. GOLDENBERG and S. HAGMANN	581	Tool use and mechanical problem solving in apraxia
S. A. BAXENDALE, P. J. THOMPSON and W. VAN PAESSCHEN	591	A test of spatial memory and its clinical utility in the pre-surgical investigation of temporal lobe epilepsy patients
M. E. DOWNING, J. G. PHILLIPS, J. L. BRADSHAW, K. S. VADDADI and C. PANTELIS	603	Response programming in patients with schizophrenia: A kinematic analysis
A. FARNÈ, F. PONTI and E. LÀDAVAS	611	In search of biased egocentric reference frames in neglect
J. DOYON, R. LAFORCE Jr., G. BOUCHARD, D. GAUDREAU, J. ROY, M. POIRIER, P. J. BÉDARD, F. BÉDARD and J.-P. BOUCHARD	625	Role of the striatum, cerebellum and frontal lobes in the automatization of a repeated visuomotor sequence of movements
P. S. FASTENAU, L. L. CONANT and R. E. LAUER	643	Working memory in young children: Evidence for modality-specificity and implications for cerebral reorganization in early childhood
L. RUECKERT and J. GRAFMAN	653	Sustained attention deficits in patients with lesions of posterior cortex
M. KOIVISTO	661	Categorical priming in the cerebral hemispheres: automatic in the left hemisphere, postlexical in the right hemisphere?
C. PAPAGNO and E. CAPITANI	669	Proper name anomia: A case with sparing of the first-letter knowledge
C. HELMSTAEDTER, U. GLEIBNER, J. ZENTNER and C. E. ELGER	681	Neuropsychological consequences of epilepsy surgery in frontal lobe epilepsy
D. ANAKI, M. FAUST and S. KRAVETZ	691	Cerebral hemispheric asymmetries in processing lexical metaphors

Number 8

M. D. PELL	701	Recognition of prosody following unilateral brain lesion: influence of functional and structural attributes of prosodic contours
M.-C. GOLDBLUM, C.-M. GOMEZ, G. DALLA BARBA, F. BOLLER, B. DEWEER, V. HAHN and B. DUBOIS	717	The influence of semantic and perceptual encoding on recognition memory in Alzheimer's disease
D. BÄCHTOLD, M. BAUMÜLLER and P. BRUGGER	731	Stimulus-response compatibility in representational space
T. Y. SWAAB, C. BROWN and P. HAGOORT	737	Understanding ambiguous words in sentence contexts: electrophysiological evidence for delayed contextual selection in Broca's aphasia

S. POLLMANN and E. ZAIDEL	763	The role of the corpus callosum in visual orienting: importance of interhemispheric visual transfer
M. A. LAMBON RALPH, K. S. GRAHAM, A. W. ELLIS and J. R. HODGES	775	Naming in semantic dementia—what matters?
M. D. KOPELMAN and N. STANHOPE	785	Recall and recognition memory in patients with focal frontal, temporal lobe and diencephalic lesions
D. MIJOVIĆ-PRELEC, C. F. CHABRIS, L. M. SHIN, S. M. KOSSLYN and S. H. WRAY	797	The judgement of absence in neglect
J. R. HODGES and K. S. GRAHAM	803	A reversal of the temporal gradient for famous person knowledge in semantic dementia: implications for the neural organisation of long-term memory

Number 9

M. FAUST and C. CHIARELLO	827	Sentence context and lexical ambiguity resolution by the two hemispheres
J. A. NUNN, C. E. POLKEY and R. G. MORRIS	837	Selective spatial memory impairment after right unilateral temporal lobectomy
S. PREIS, L. JÄNCKE, P. SCHITTLER, Y. HUAN and H. STEINMETZ	849	Normal intrasylvian anatomical asymmetry in children with developmental language disorder
J. VOLLMER-HAASE, K. FINKE, W. HARTJE and M. BULLA-HELLWIG	857	Hemispheric dominance in the processing of J. S. Bach fugues: A transcranial Doppler sonograpy (TCD) study with musicians
G. SANDERS and D. WENMOTH	869	Verbal and music dichotic listening tasks reveal variations in functional cerebral asymmetry across the menstrual cycle that are phase and task dependent
L. JÄNCKE, N. J. SHAH, S. POSSE, M. GROSSE-RYUKEN and H.-W. MÜLLER-GÄRTNER	875	Intensity coding of auditory stimuli: an fMRI study
S. EVERLING and B. FISCHER	885	The antisaccade: a review of basic research and clinical studies
S. KÖHLER, S. E. BLACK, M. SINDEN, C. SZEKELY, D. KIDRON, J. L. PARKER, J. K. FOSTER, M. MOSCOVITCH, G. WINCOUR, J. P. SZALAI and M. J. BRONSKILL	901	Memory impairments associated with hippocampal versus parahippocampal-gyrus atrophy: an MR volumetry study in Alzheimer's disease
C. LOWE and P. RABBITT	915	Test/re-test reliability of the CANTAB and ISPOCD neuropsychological batteries: theoretical and practical issues
B. FORSTER and M. C. CORBALLIS	925	Interhemispheric transmission times in the presence and absence of the forebrain commissures: effects of luminance and equiluminance
A. R. MARKS and L. S. CERMAK	935	Intact temporal memory in amnesic patients
T. IMAMURA, Y. TAKATSUKI, M. FUJIMORI, N. HIRONO, Y. IKEJIRI, T. SHIMOMURA, M. HASHIMOTO, H. YAMASHITA and E. MORI	945	Age at onset and language disturbances in Alzheimer's disease
Book Reviews	951	

Number 10

PATHS IN THE BRAIN, ACTIONS OF THE MIND
Special Issue in Honor of Roger W. Sperry

C. R. HAMILTON	953	Preface – Special issue in honor of Roger W. Sperry
	955	In memoriam—Roger Sperry
R. L. MEYER	957	Roger Sperry and his chemoaffinity hypothesis
M. GLICKSTEIN, S. BUCHBINDER and J. G. MAY III	981	Visual control of the arm, the wrist and the fingers: pathways through the brain
B. A. VERMEIRE and C. R. HAMILTON	1003	Inversion effect for faces in split-brain monkeys
S. AGLIOTI, A. BELTRAMELLO, G. TASSINARI and G. BERLUCCHI	1015	Paradoxically greater interhemispheric transfer deficits in partial than complete callosal agenesis
E. L. TENG	1025	Hemispheric differences in serial reversal learning: a study with commissurotomy patients
E. ZAIDEL	1033	Stereognosis in the chronic split brain: hemispheric differences, ipsilateral control and sensory integration across the midline
D. W. ZAIDEL, M. M. ESIRI and E. D. BEARDSWORTH	1049	Observations on the relationship between verbal explicit and implicit memory and density of neurons in the hippocampus
R. W. SPERRY and N. D. SPERRY	1063	A powerful paradigm made stronger
R. W. DOTY	1069	The five mysteries of the mind, and their consequences
T. J. VONEIDA	1077	Sperry's concept of mind as an emergent property of brain function and its implications for the future of humankind
M. C. CORBALLIS	1083	Sperry and the Age of Aquarius: science, values and the split brain
J. E. BOGEN	1089	My developing understanding of Roger Wolcott Sperry's philosophy

Number 11

J. CHEWNING, J. C. ADAIR, E. B. HEILMAN and K. M. HEILMAN	1097	Attentional bias in normal subjects performing visual and tactile radial line bisections
F. C. MURPHY and R. KLEIN	1103	The effects of nicotine on spatial and non-spatial expectancies in a covert orienting task
M. BEHRMANN, J. NELSON and E. B. SEKULER	1115	Visual complexity in letter-by-letter reading: "Pure" alexia is not pure
P. FOURNERET and M. JEANNEROD	1133	Limited conscious monitoring of motor performance in normal subjects
R. WALKER, M. HUSAIN, T. L. HODGSON, J. HARRISON and C. KENNARD	1141	Saccadic eye movement and working memory deficits following damage to human prefrontal cortex
T. KAMMER and H.-G. NUSSECK	1161	Are recognition deficits following occipital lobe TMS explained by raised detection thresholds?

W. SCHWARZ and H.-J. HEINZE	1167	On the interaction of numerical and size information in digit comparison: a behavioral and event-related potential study
M. CANELLOPOULOU and J. T. E. RICHARDSON	1181	The role of executive function in imagery mnemonics: evidence from multiple sclerosis
M. BISCALDI, S. GEZECK and V. STUHR	1189	Poor saccadic control correlates with dyslexia
C. BONFIGLIOLI, G. DE BERTI, P. NICHELLI, R. NICOLETTI and U. CASTIELLO	1203	Kinematic analysis of the reach to grasp movement in Parkinson's and Huntington's disease subjects
J. C. BOROD, E. KOFF, S. YECKER, C. SANTSCHI and J. M. SCHMIDT	1209	Facial asymmetry during emotional expression: gender, valence and measurement technique
V. D. BOHBOT, M. KALINA, K. STEPANKOVA, N. SPACKOVA, M. PETRIDES and L. NADEL	1217	Spatial memory deficits in patients with lesions to the right hippocampus and to the right parahippocampal cortex
K. M. CORNISH, F. MUNIR and G. CROSS	1239	The nature of the spatial deficit in young females with Fragile-X syndrome: a neuropsychological and molecular perspective
L. A. MILLER, R. LAI and D. G. MUNOZ	1247	Contributions of the entorhinal cortex, amygdala and hippocampus to human memory
A. E. HILLIS and B. RAPP	1257	Unilateral spatial neglect in dissociable frames of reference: a comment on Farah, Brunn, Wong, Wallace, and Carpenter (1990)
	1263	Book Review

Number 12

M. A. HOOK-COSTIGAN and L. J. ROGERS	1265	Lateralized use of the mouth in production of vocalizations by marmosets
T. J. CROW, L. R. CROW, D. J. DONE and S. LEASK	1275	Relative hand skill predicts academic ability: global deficits at the point of hemispheric indecision
K. RUBIA, S. OVERMEYER, E. TAYLOR, M. BRAMMER, S. WILLIAMS, A. SIMMONS, C. ANDREW and E. BULLMORE	1283	Prefrontal involvement in "temporal bridging" and timing movement
O. MOREAUD, A. CHARNALLET and J. PELLAT	1295	Identification without manipulation: a study of the relations between object use and semantic memory
P. MARIOTTI, L. IUVONE, M. G. TORRIOLI and M. C. SILVERI	1303	Linguistic and non-linguistic abilities in a patient with early left hemispherectomy
L. K. TYLER and H. E. MOSS	1313	Going, going, gone ...? Implicit and explicit tests of conceptual knowledge in a longitudinal study of semantic dementia
J. T. COULL, R. S. J. FRACKOWIAK and C. D. FRITH	1325	Monitoring for target objects: activation of right frontal and parietal cortices with increasing time on task
I. REINVANG and L. GJERSTAD	1335	Focal retrograde amnesia associated with vascular headache
M. J. HOPTMAN and R. J. DAVIDSON	1343	Baseline EEG asymmetries and performance on neuropsychological tasks
R. G. BROWN, P. SOLIVERI and M. JAHANSHAHI	1355	Executive processes in Parkinson's disease—random number generation and response suppression
L. M. KOSKI, T. PAUS and M. PETRIDES	1363	Directed attention after unilateral frontal excisions in humans

R. ATCHLEY and P. ATCHLEY	1373	Hemispheric specialization in the detection of subjective objects
N. STANHOPE, E. GUINAN and M. D. KOPELMAN	1387	Frequency judgements of abstract designs by patients with diencephalic, temporal lobe or frontal lobe lesions
M. HAUSMANN, S. BEHRENDT-KÖRBITZ, H. KAUTZ, C. LAMM, F. RADELT and O. GÜNTÜRKÜN	1397	Sex differences in oral asymmetries during wordrepetition
M. C. DOYLE and M. D. RUGG	1403	Word repetition within- and across-visual fields: an event-related potential study
Book Review	1417	
Volume 36, 1998, Contents, Author Index and Key Word Index	1419	